Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/29/2018 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125009	0	2.05	124821	2.00
Blue	F	SSC	125000	123174	-2	3.52	123422	3.25
Blue	E	FITC	23615	22718	-4	2.93	1012	10.95
Blue	D	PE	26739	26473	-1	2.50	951	10.80
Blue	B	PerCP-Cy5-5	48339	47416	-2	3.81	1371	18.22
Blue	A	PE-Cy7	45021	44451	-2	5.58	687	37.80
Red	C	APC	53064	51929	-3	2.79	2970	9.70
Red	A	APC-Cy7	57175	56132	-2	2.85	1184	11.35
Violet	B	V450	14728	14147	-4	4.47	678	9.38
Violet	A	V500	58621	57189	-3	4.22	2529	6.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19714	3.04	616	2	N/A	N/A	Pass
Blue	F	SSC	60841	1.90	562	16	N/A	N/A	Pass
Blue	E	FITC	112	41.08	552	4	0.0184	158	Pass
Blue	D	PE	207	31.01	544	8	0.1288	209	Pass
Blue	B	PerCP-Cy5-5	212	48.47	643	8	0.0086	85	Pass
Blue	A	PE-Cy7	72	131.48	701	8	0.0105	18	Pass
Red	C	APC	339	29.34	600	3	0.0195	102	Pass
Red	A	APC-Cy7	130	41.41	583	3	0.0053	1842	Pass
Violet	B	V450	82	43.10	464	-6	0.0436	1860	Pass
Violet	A	V500	185	22.16	491	-6	0.0138	174	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.23	-30.77	0.95
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.36
Red	16.54	14.40 - 21.60	N/A	N/A	30.70	31.13	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9942

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments